

human CAP-2

60
 MPLSGTPAPNKKRKSSKLIMELTGGQESSGLNLGKKISVPRDVMLEELSLLTNRGSKMF
 120
 KLRQMRVEKFIYENHPDVFSDSSMDHFQKFLPTVGGQLGTAGQGFYSKSNRGGSQAGG
 180
 SGSAGQYGSDQQHHLGSGGAGGTGGPAGQAGRGAAGTAGVGETSGDQAGGEGKHITV
 240
 FKTYISPWERAMGVDPQQKMELGIDLLAYGAKAELPKYKSFNRTAMPYGGYEKASKRMTF
 QMPKFDLGPLLSEPLVLYNQNLNRPSPFNRTPIPWLSSGEPVDYNVDIGIPLDGETEEL

FIG. 1C

mouse CAP-2

60
 MPLSGTPAPNKKRKSSKLIMELTGGGRESSGLNLGKKISVPRDVMLEELSLLTNRGSKMF
 120
 KLRQMRVEKFIYENHPDVFSDSSMDHFQKFLPTVGGQLGTAGQGFYKKGSSGGQAGSSG
 180
 SAGQYGSDRHQQSGGFGAGGGGPGGQAGGGGAPGTVGLGEPGSDQAGGDGKHVTVFKT
 240
 YISPWDRAMGVDPQQKVELGIDLLAYGAKAELPKYKSFNRTAMPYGGYEKASKRMTFQMP
 KFDLGPLLSEPLVLYNQNLNRPSPFNRTPIPWLSSGEHVDYNVDVIGIPLDGETEEL

FIG. 1D

[illegible]

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[illegible]

mouse CAP-1

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10      20      30      40      50      60      70      80      90     100
ATTGGGCACATGGGATCGAGGGACCATGCCGTTCCAGGTTCAAGGATAAAACCCATTGGGCCATAGTCCCGTCATATTCCACCTTCAGTGGCTTCCTCCA
TAAGCCGTGTACCTAGCTCCCTGGTACGGCAAGGTCCAAGTTCCTATTTTGGGTAAACCCGGTATCACGGCAGTATAAGGTGGAAGTCACGGAAGGAGGT

110     120     130     140     150     160     170     180     190     200
CAATTGGGATTACCCCTGCTGAAAAGCGCACGCTGACAGCAAGGGAACAAAAAATATGCTATCACATAGTCCATGGTGAAGCAAAGGAACAGCAAG
GTTAACCTTAAGTGGGACGACTTTTCGCGTGCAGCTGTCTCCCTGTGTTTTTGATACGATAGTGATCACGGTACCACTTCGTTTCCTTTGTCGTTT

210     220     230     240     250     260     270     280     290     300
CATCAGCCATCACGAAGAAATCCATGGACATGATGTTGACGGCATGGACCTGGGCAAAAAAGTTAGCATCCCCAGAGACATCATGATAGAAGAATTGTC
GTAGTCGGTAGTGCTTCCTTTAGGTACCTGTACTACAACCTGCCGTACCTGGACCCGTTTTTCAATCGTAGGGGTCTCTGTAGTACTATCTTTTAACAG

310     320     330     340     350     360     370     380     390     400
CCATTTTCAGTAATCGTGGGGCCAGGCTGTTTAAGATGCGGTCAAAGAAGATCTGACAAATACACCTTTGAAAATTTCCAGTATGAATCTAGAGCACAAATT
GGTAAAGTCATTAGCACCCCGTCCGACAAATCTACGCAGTTTCTTCTAGACTGTTTATGTGAAACTTTTAAAGTTCATCTTAGATCTCGTGTTTAA

410     420     430     440     450     460     470     480     490     500
AATCACAATATCGCCATGCAGAAATGGGAGAGTTGATGGAAGCAACCTGGAAGGTGGCTCACAGCAAGGCCCTCAACTCCGCCCAACACCCCGATCCAC
TTAGTGTTATAGCGGTACGCTTACCTCTCAACTACCTTCGTTGGACCTTCCACCGAGTGTCTGTCGGGGAGTTGAGCGGGTGTGTGGGGCTAGGTTG

510     520     530     540     550     560     570     580     590     600
GAAGCCCCCAAATCCAGAGAACATCGCACCCAGGATATTCTGGACCACTGAAGGAAATTCCTCCTGAAAGGTTTAACACGACGCGCGTTCCTTAAGTACTA
CTTCGGGGGTTTAGGTCTCTTGTAGCGTGGTCTATAAGACCTGGTGACTTCCTTTAAGGAGGACTTTCCAAATTTGCTGCCGGCAAGGATTCATGAT

610     620     630     640     650     660     670     680     690     700
CCGCTCTCATGGGAGCAGGCGATTGGCAGCGATCCGGAGCTCCTGAGGCTTTGTACCCAAAACCTTTCAAGCCTGAAGGAAAAGCAGAACTGCGGGAT
GGCCAGAGGTACCTCGTCCGCTAACCGTCCGTAGGCTCGAGGACCTCCGAAACATGGGTTTTGAAAAGTTCGGACTTCCTTTTCGTCCTTGACGCCCTA

710     720     730     740     750     760     770     780     790     800
TACAGGAGCTTTAACAGGGTTGCCACTCCATTTGGAGGTTTTGAAAAGCATCAAAAATGGTCAAATTCAAAGTTCAGATTTTGAACCTACTGCTGTGA
ATGTCTCTGAAATGTCCCAACGGTGAGGTAAACCTCCAAAACCTTTTCGTAGTTTTTACCAGTTTAAGTTTCAAGGTCTAAAACCTGATGACGACGACT

810     820     830     840     850     860     870     880     890     900
CAGATCCCAAGGTTCTTGGCCTTTGCCAATCCTCTTTCCGGCAGACGATCCTTTAACAGGGCGCCAAAGGGGTGGGTATCTGAGAATATCCCGTCTGTGAT
GTCTAGGGTCCAAGAACCAGAAACGGTTAGGAGAAAGCCCGTCTGCTACGAAATTTGCCCGGTTTTCCCAACCCATAGACTCTTATAGGGGCAGCACTA

910     920     930     940     950     960     970     980
CACAACTGAGCCTACAGAAGACCGCACTGTACCGGAATCAGATGACCTGTGAGAGGGAAGCTGGGGATGCCACAGGAAGTTC
GTGTTGACTCGGATGCTTCTGCGGTGACATGGCCTTAGTCTACTGGACACTCTCCCTTCGACCCCTACGGTGTCTCTTCAAG

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FIG. 2B

human CAP-2

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CGGTCACAGC AGCTCAGTCC TCCAAAGCTG CTGACCCCA GGGAGAGCTG ACCACTGCCC GAGCAGCCGG CTGAATCCAC CTCCACAATG CCGCTCTCAG      100
GAACCCCGGC CCCTAATAAG AAGAGGAAAT CCAGCAAGCT GATCATGGAA CTCACTGGAG GTGGACAGGA GAGCTCAGGC TTGAACCTGG GCAAAAAGAT      200
CAGTGTCCA AGGGATGTGA TGTGGAGGA ACTGTCGCTG CTTACCAACC GGGGCTCAA GATGTTCAA CTGCGGCAGA TGAGGGTGA GAAGTTTAT      300
TATGAGAACC ACCCTGATGT TTTCTGTGAC AGCTCAATGG ATCACTTCCA GAAGTTCTT CCAACAGTGG GGGACAGCT GGGACAGCT GGTGAGGAT      400
TCTCATACAG CAAGAGCAAC GGCAGAGCG GCAGCCAGGC AGGGGGCAGT GGCTCTGCC GACAGTATGG CTCTGATCAG CAGCACCATC TGGGCTCTGG      500
GTCTGGAGCT GGGGGTACAG GTGTCCCGC GGGCCAGGCT GGCAGAGGAG GAGCTGCTGG CACACAGGG GTTGGTGAGA CAGGATCAGG AGACCAGGCA      600
GGCGGAGAAG GAAACATAT CACTGTGTC AAGACCTATA TTTCCCATG GGAGCGAGCC ATGGGGGTG ACCCCAGCA AAAAATGAA CTTGGCATTG      700
ACCTGCTGGC CTATGGGGCC AAAGCTGAAC TTCCCAAATA TAAGTCCTTC AACAGGACGG CAATGCCCTA TGGTGGATAT GAGAAGGCCT CCAACGGCAT      800
GACCTTCCAG ATGCCCAAGT TTGACCTGGG GCCTTGCTG AGTGAACCCC TGGTCTCTA CAACCAAAAC CTCTCCAACA GGCCTTCTT CAATCGAACC      900
CCTATTCCCT GGCTGAGCTC TGGGAGCCT GTAGACTACA ACCTGGATAT TGGCATCCCC TTGGATGGAG AAACAGAGGA GCTGTGAGGT GTTCTCTCT      1000
CTGATTTGCA TCATTCCCC TCTCTGGCTC CAATTGGAG A

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FIG. 2C

mouse CAP-2

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GCCGGGGAGA GCCGACCACC AACTGAGCAG CTGCTCAGAT CCACCTCCAC CATGCCACGC TCAGGAACCC CGGCCCTTAA CAAGAGGAGG AAGTCAAGCA      100
AACTGATTAT GGAGCTCACT GGAGGTGGCC GGGAGAGCTC AGGCCTGAAC CTGGGCAAGA AGATCAGTGT CCCAAGGGAT GTGATGTTGG AGGAGCTGTC      200
CCTTCTTACC AACCGAGGCT CCAAGATGTT CAAGCTACGG CAGATGCGGG TGGAGAAATT TATCTATGAG AATCAGCCCG ATGTTTTCTC TGACAGCTCA      300
ATGGATCACT TCCAGAAGTT TCTTCCACA GTGGGAGGAC AGCTGGAGAC AGCTGGTCAG GGCTTCTCAT ATGGCAAGGG CAGCAGTGGG GGGCAGGCTG      400
GCAGCAGTGG CTCTGCTGGA CAGTATGGCT CTGACCGTCA TCAGCAGGGC TCTGGGTTTG GAGCTGGGGG TTCAGGTGGT CCTGGGGGCC AGGCTGGTGG      500
AGGAGGAGCT CCTGGCACAG TAGGGCTTGG AGAGCCCGGA TCAGGTGACC AGGCAGGTGG AGATGGAAAA CATGTCACTG TGTTCAGAC TTATATTTC      600
CCATGGGATC GGGCCATGGG GGTTGATCCT CAGCAAAAAG TGGAACTTGG CATTGACCTA CTGGCATACG GTGCCAAAGC TGAAGTCCCC AAATATAAGT      700
CCTTCAACAG GACAGCAATG CCTTACGGTG GATATGAGAA GGCCTCCAAA CGCATGACCT TCCAGATGCC CAAGTTTGAC CTGGGGCCTC TGCTGAGTGA      800
ACCCCTGGTC CTCTACAACC AGAACCTCTC CAACAGGCTT TCTTTCAATC GAAACCCCTAT TCCCTGGTTG AGCTCTGGGG AGCATGTAGA CTACAACGTG      900
GATGTTGGTA TCCCCTTGGG TGGAGAGACA GAGGAGCTGT GAAGTGCCCTC CTCCTGTCAT GTGCATCATT TCCCTTCTCT GGTTCGAATT TGAGAGTGGG      1000
TGCTGGACAG GATGCCCCAA CTGTAAATCC AGTATTCTTG TGGCAATGGA GGGTAAAGGG TGGGGTCCGT TGCCCTTTCCA CCCTTCAAGT TCCTGCTCCG      1100
AAGCATCCCT CTCACACAGC TCAGAGCTCC CATCCTGCTG TACCATATGG AATCTGCTCT TTTATGGAAT TTTCT

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FIG. 2D

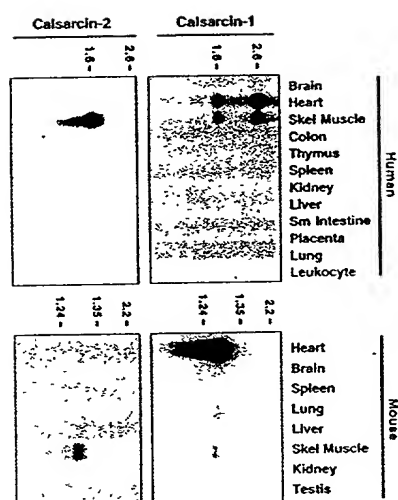


FIG. 3

FIG. 4A

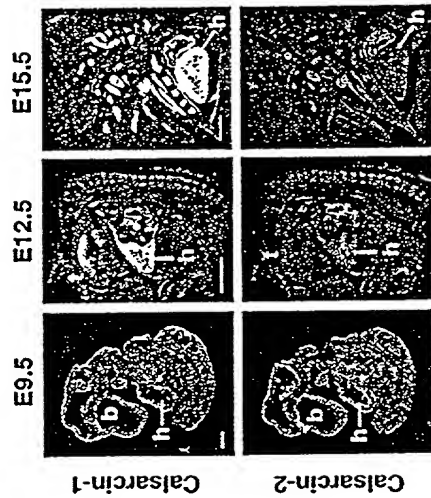


FIG. 4C

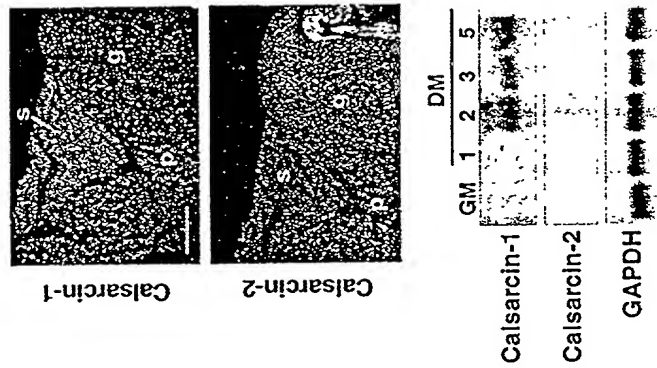


FIG. 4B

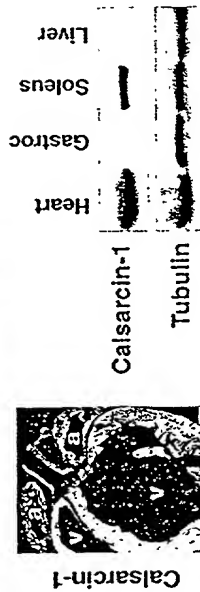


FIG. 4D

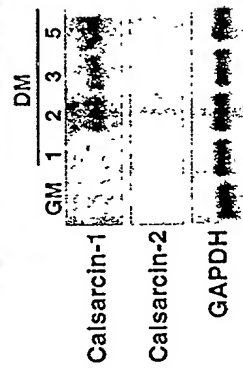


FIG. 4E

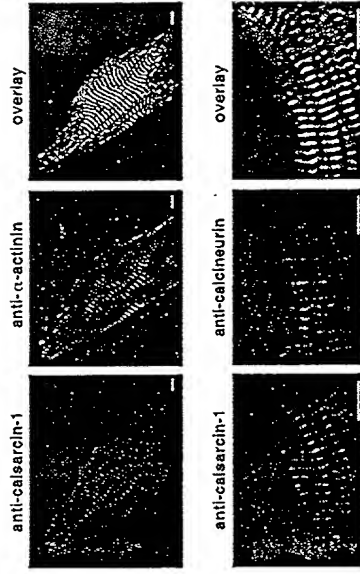


FIG. 5A

FIG. 5B

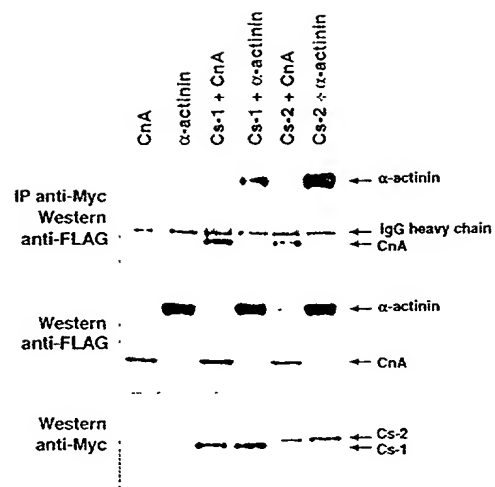


FIG. 6A

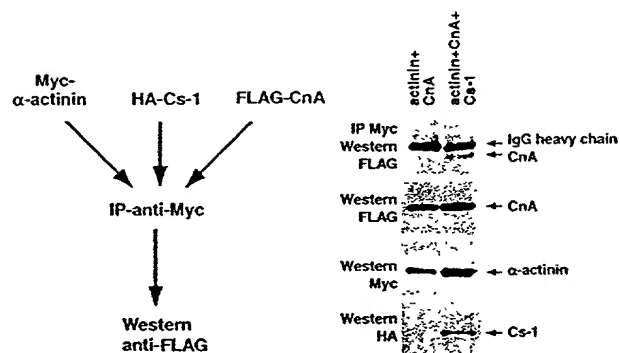


FIG. 6B

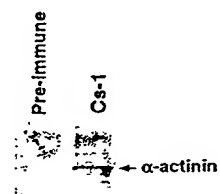
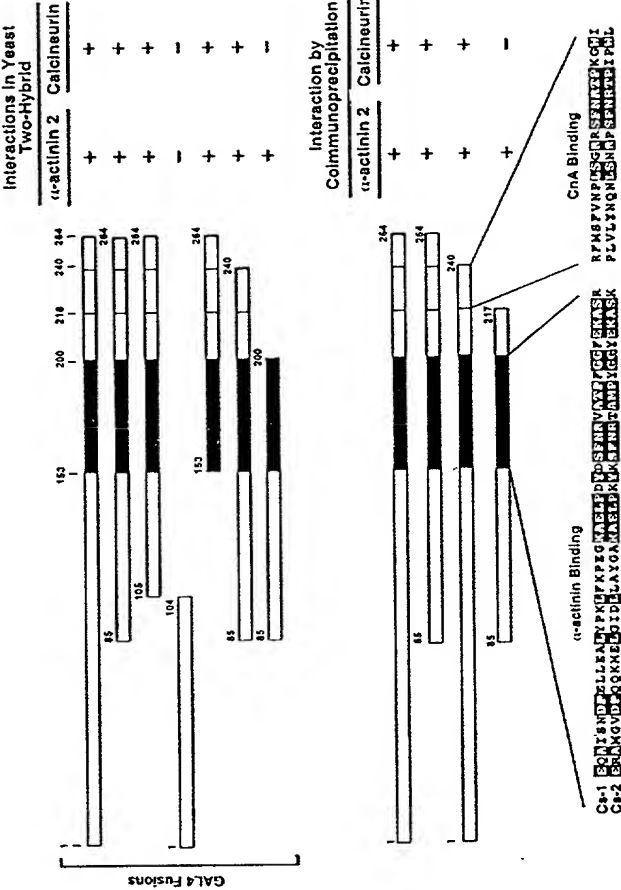


FIG. 6C

FIG. 7



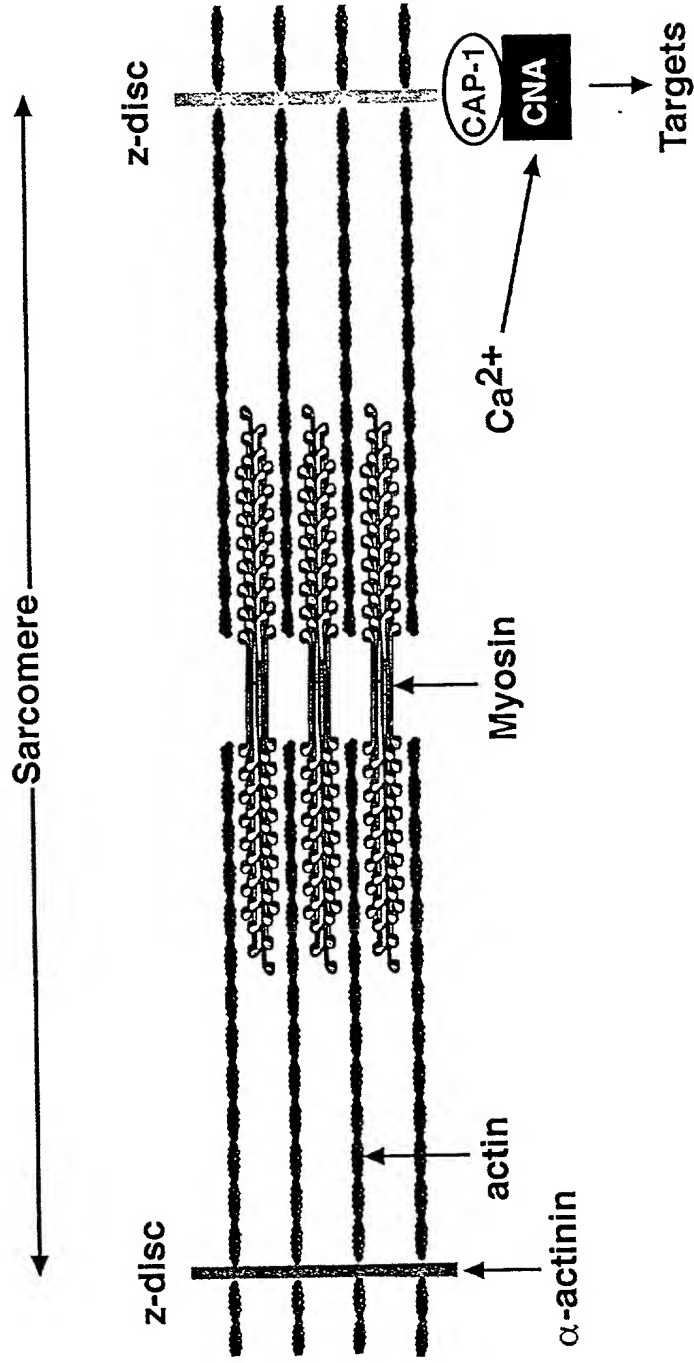


FIG. 8

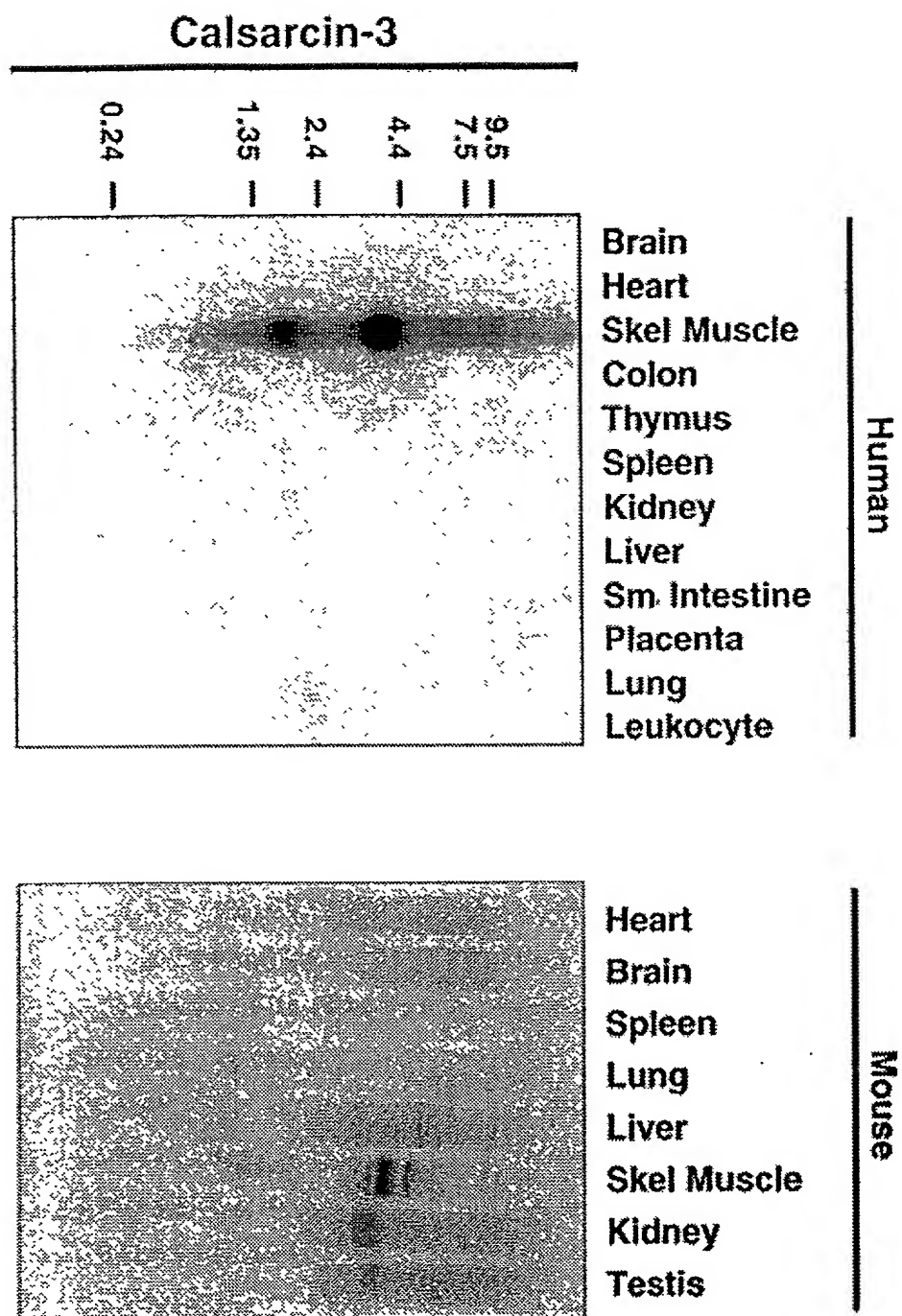


FIG. 9

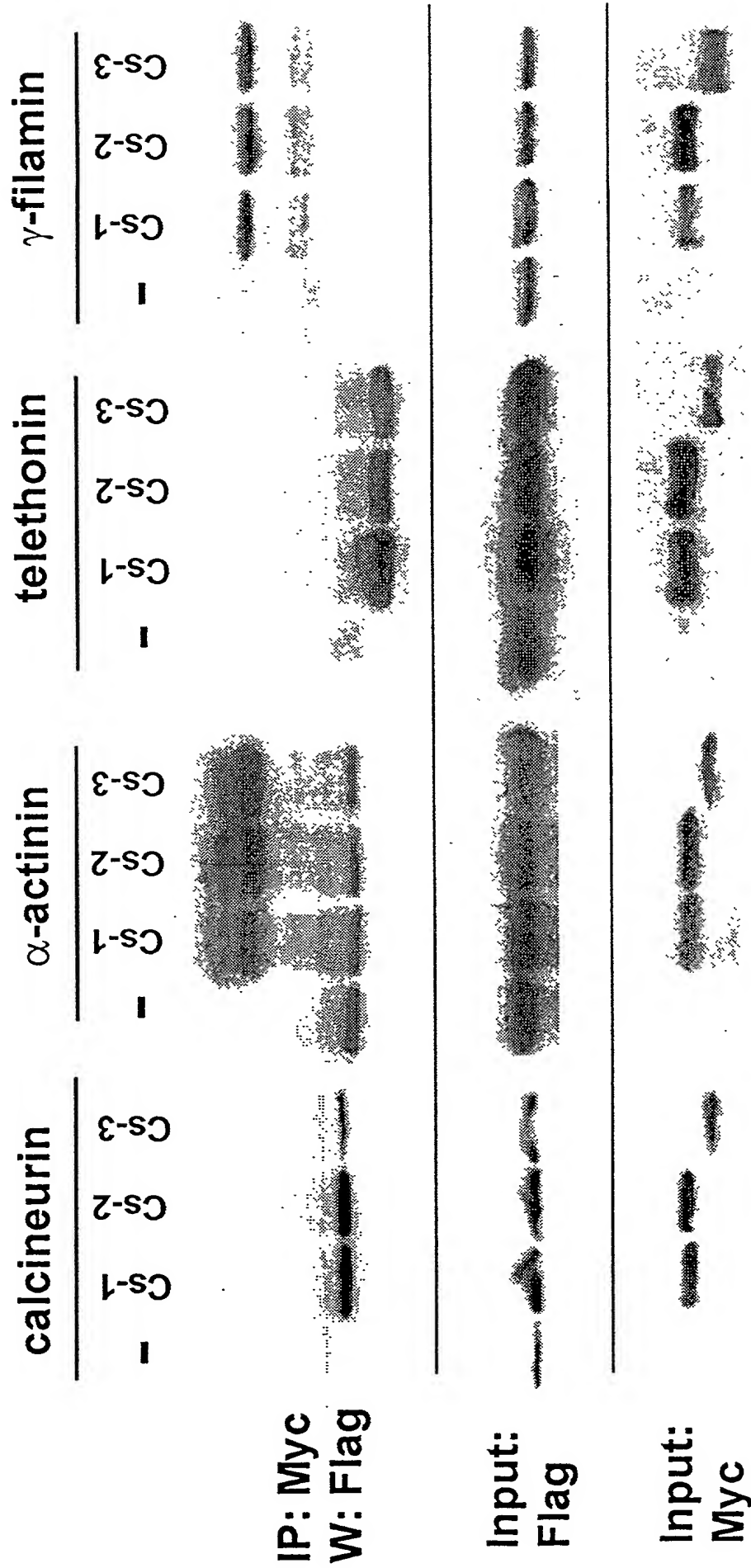
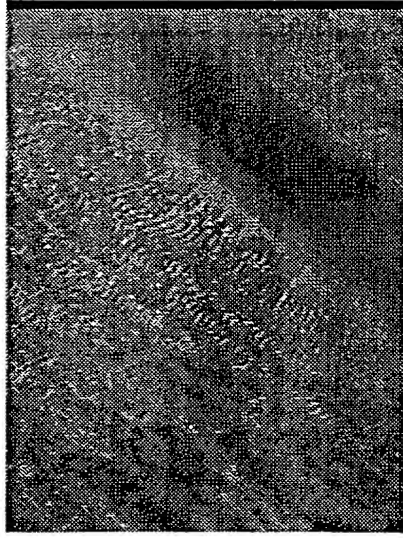
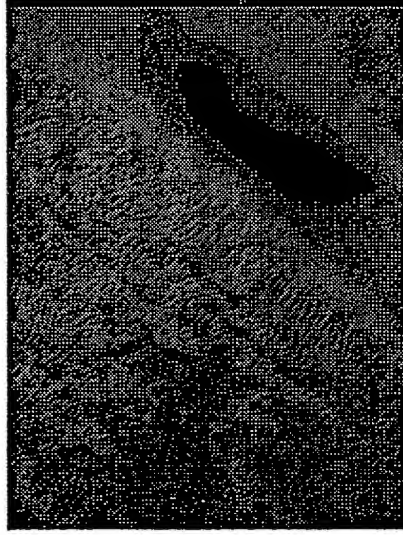


FIG. 10

calsarcin-3



actinin



merge

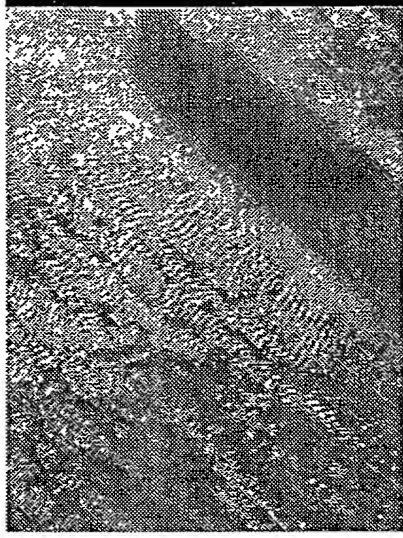
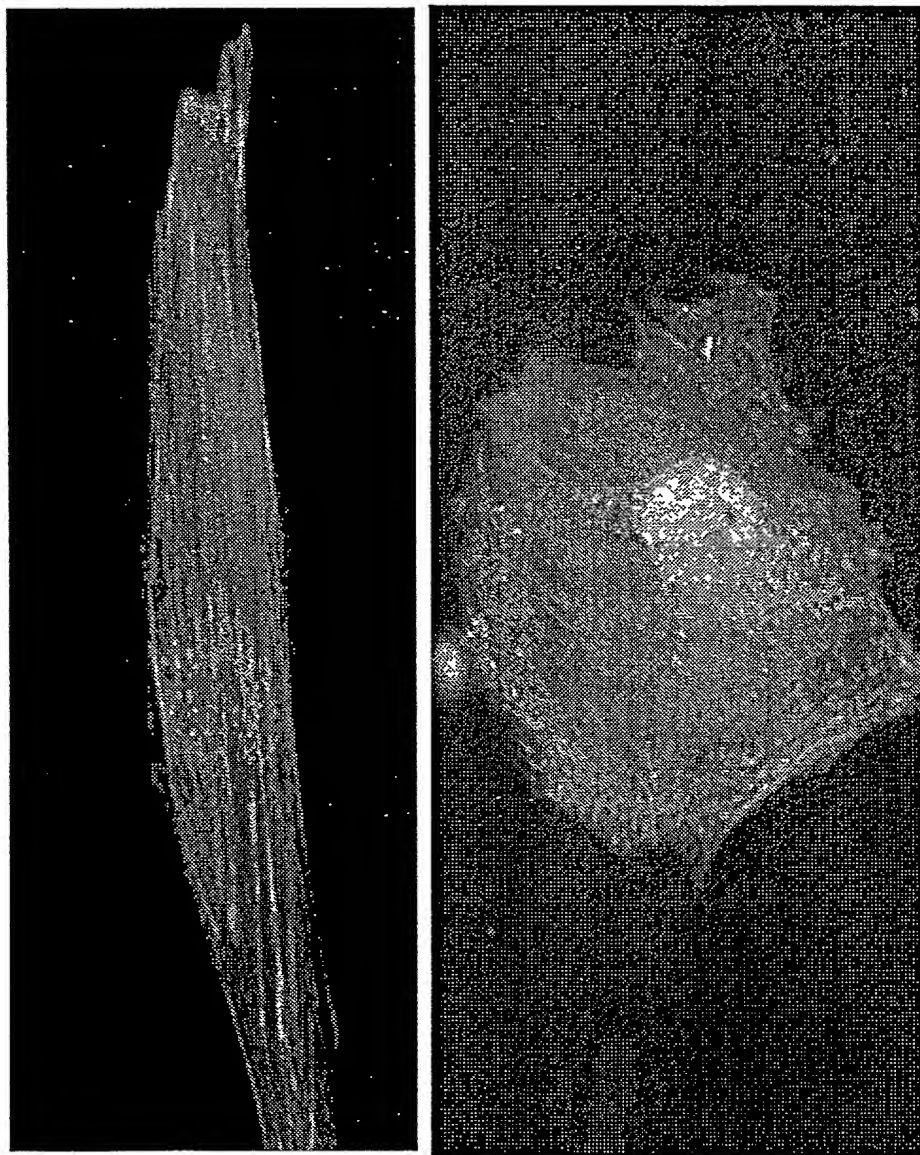


FIG. 11

FIG. 12



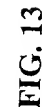


FIG. 13